

FIG 1

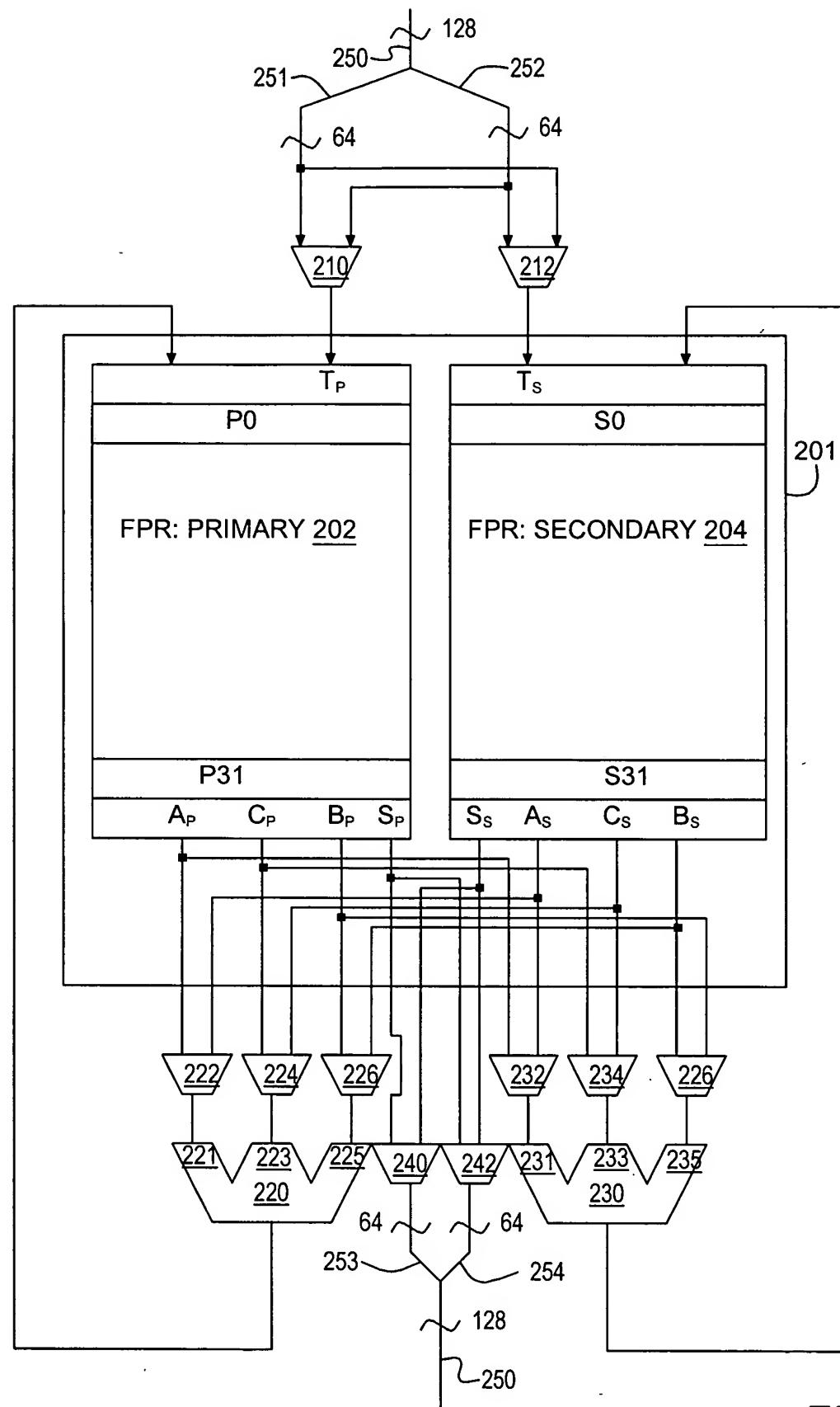


FIG 2

Applicant: Dockser  
 Docket: RPS9 2003 0152 US1  
 Sheet 3 of 3  
 Contact: J. Lally 512/428-9870

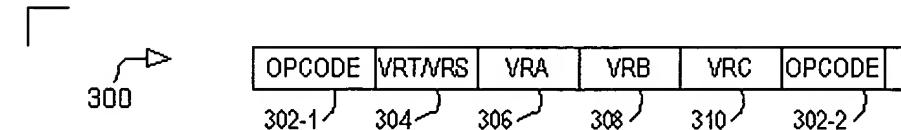


FIG 3

PARALLEL ADD/SUBTRACT	$A_p + B_p > T_p, A_s + B_s > T_s$	
MULTIPLY		
PARALLEL	$A_p C_p > T_p, A_s C_s > T_s$	410
CROSS	$A_s C_p > T_p, A_p C_s > T_s$	411
CROSS COPY PRIMARY	$A_p C_p > T_p, A_p C_s > T_s$	
CROSS COPY SECONDARY	$A_s C_p > T_p, A_s C_s > T_s$	
MULTIPLY AND ADD/SUBSTRACT		414
PARALLEL	$A_p C_p + B_p > T_p, A_s C_s + B_s > T_s$	403
PARALLEL NEGATE	$-(A_p C_p + B_p) > T_p, -(A_s C_s + B_s) > T_s$	
PARALLEL SUBTRACT	$A_p C_p - B_p > T_p, A_s C_s - B_s > T_s$	
PARALLEL NEGATE SUBTRACT	$-(A_p C_p - B_p) > T_p, -(A_s C_s - B_s) > T_s$	
CROSS	$A_s C_p + B_p > T_p, A_p C_s + B_s > T_s$	405
CROSS NEGATE	$-(A_s C_p + B_p) > T_p, -(A_p C_s + B_s) > T_s$	
CROSS SUBTRACT	$A_s C_p - B_p > T_p, A_p C_s - B_s > T_s$	
CROSS NEGATE SUBTRACT	$-(A_s C_p - B_p) > T_p, -(A_p C_s - B_s) > T_s$	
CROSS REPLICATE PRIMARY	$A_p C_p + B_p > T_p, A_p C_s + B_s > T_s$	406
CROSS REPLICATE PRIMARY NEGATE	$-(A_p C_p + B_p) > T_p, -(A_p C_s + B_s) > T_s$	
CROSS REPLICATE PRIMARY SUBTRACT	$A_p C_p - B_p > T_p, A_p C_s - B_s > T_s$	
CROSS REPLICATE PRIMARY NEGATE SUBTRACT	$-(A_p C_p - B_p) > T_p, -(A_p C_s - B_s) > T_s$	
CROSS REPLICATE SECONDARY	$A_s C_p + B_p > T_p, A_s C_s + B_s > T_s$	
CROSS REPLICATE SECONDARY NEGATE	$-(A_s C_p + B_p) > T_p, -(A_s C_s + B_s) > T_s$	
CROSS REPLICATE SECONDARY SUBTRACT	$A_s C_p - B_p > T_p, A_s C_s - B_s > T_s$	
CROSS REPLICATE SECONDARY NEGATE SUB	$-(A_s C_p - B_p) > T_p, -(A_s C_s - B_s) > T_s$	
ASYMMETRIC MULTIPLY AND ADD/SUB		
CROSS COPY PRIMARY SUB PRIMARY	$-(A_p C_p - B_p) > T_p, A_p C_s + B_s > T_s$	407
CROSS COPY SECONDARY SUB PRIMARY	$-(A_s C_p - B_p) > T_p, A_s C_s + B_s > T_s$	
CROSS COPY PRIMARY SUB SECONDARY	$A_p C_p + B_p > T_p, -(A_p C_s - B_s) > T_s$	
CROSS COPY SECONDARY SUB SECONDARY	$A_s C_p + B_p > T_p, -(A_s C_s - B_s) > T_s$	
COMPLEX MULTIPLY AND ADD/SUBSTRACT		
CROSS COMPLEX SUB PRIMARY MULT ADD	$-(A_s C_s - B_p) > T_p, A_s C_p + B_s > T_s$	408
CROSS COMPLEX SUB SECONDARY MULT ADD	$A_s C_s + B_p > T_p, -(A_s C_p - B_s) > T_s$	
CROSS COMPLEX MULT ADD	$A_s C_s + B_p > T_p, A_s C_p + B_s > T_s$	
CROSS COMPLEX NEGATIVE MULT SUBTRACT	$-(A_s C_s - B_p) > T_p, -(A_s C_p - B_s) > T_s$	
MOVE, LOAD, STORE		
CROSS MOVE	$B_p > T_s, B_s > T_p$	
LOAD DOUBLE WORD	$DW[EA] > T_p, DW[EA+8] > T_s$	
LOAD DOUBLE WORD CROSS	$DW[EA+8] > T_p, DW[EA] > T_s$	
LOAD DOUBLE WORD REPLICATE	$DW[EA] > T_p, T_s$	
STORE DOUBLE WORD	$S_p > DW[EA], S_s > DW[EA+8]$	
STORE DOUBLE WORD CROSS	$S_p > DW[EA+8], S_s > DW[EA]$	
STORE DOUBLE WORD REPLICATE	$S_p, S_s > DW[EA]$	

FIG 4